

1. A method for manufacturing paper having colored stripes comprising the steps of:
feeding a slurry to a distributor;
delivering said slurry from said distributor to a headbox through a plurality of
5 delivery lines, said delivery lines being coupled to said headbox at a plurality of locations spaced
across said headbox in a crossmachine direction;
selectively introducing a first coloring agent in at least two of said delivery lines
to selectively color the slurry passing through said at least two delivery lines; and
10 depositing said slurry received by said headbox on a papermaking wire to form
striped paper.

2. The method of claim 1 wherein said first coloring agent is dissolved or
suspended in a fluid to form a coloring solution before said introducing step, and
wherein said coloring solution is introduced in said at least two delivery lines to
selectively introduce said first coloring agent in said at least two delivery lines.

3. The method of claim 1 wherein the slurry in said at least two delivery lines is
diluted by dilution water, and wherein said dilution water selectively introduces
said first coloring agent in said at least two delivery lines.

4. The method of claim 1 wherein a plurality of dilution water lines are coupled to
said plurality of delivery lines, said dilution water lines delivering dilution water
to said plurality of delivery lines, and wherein said dilution water lines selectively
introduce said first coloring agent in said at least two delivery lines.

5. The method of claim 4 wherein each delivery line receives dilution water from

an associated, dedicated dilution water line.

6. The method of claim 4 wherein each dilution water line delivers said dilution water from a water header to said delivery lines.
7. The method of claim 4 wherein said first coloring agent is dissolved or suspended in a fluid to form a coloring solution, and wherein said coloring solution is introduced into selected ones of said plurality of dilution water lines to selectively introduce said first coloring agent in said at least two delivery lines.
8. The method of claim 7 wherein said coloring solution is pumped into said selected dilution water lines to thereby introduce said first coloring agent into said selected dilution water lines.
9. The method of claim 7 wherein said selected dilution water lines each include a 3-way fitting to enable said first coloring agent to be introduced therein.
10. The method of claim 2 wherein said coloring solution is added to said at least two delivery lines at a rate of between about 0.5 and about 4 gallons per hour.
11. The method of claim 2 wherein said first coloring agent constitutes about 0.5 percent to about 50.0 percent concentration by volume of said coloring solution.
12. The method of claim 1 wherein the slurry delivered by each delivery line contributes to a portion of the width of the deposited slurry in the crossmachine direction.

13. The method of claim 1 wherein said slurry is comprised of cellulose fibers suspended in a water base.
14. The method of claim 1 wherein said first coloring agent is a dye.
15. The method of claim 1 wherein said first coloring agent is a pigment.
16. The method of claim 1 further comprising the step of suspending said first coloring agent in a liquid base before said first coloring agent is introduced into said at least two delivery lines.
17. The method of claim 1 further comprising the step of moving said wire to convey said deposited slurry away from said headbox.
18. The method of claim 17 wherein said paper is striped in a direction parallel to the movement of said wire.
19. The method of claim 1 further comprising the step of selectively introducing a second coloring agent into another one of said plurality of delivery lines before said depositing step.
20. The method of claim 19 wherein the pulp colored by said second coloring agent has a shade or color different from the pulp colored by said first coloring agent.
21. The method of claim 1 further comprising the step of controlling the consistency of the slurry deposited on said wire to control the diffusion of the colored slurry deposited on said wire.

22. The method of claim 17 further comprising the step of controlling the speed of said wire to control the diffusion of the colored slurry deposited on said wire.

23. The method of claim 1 wherein said plurality of locations are generally evenly spaced across said headbox.

24. A method for manufacturing paper having a variable characteristic in a crossmachine direction comprising the steps of:
feeding a slurry to a distributor;
delivering said slurry from said distributor to a headbox through a plurality of delivery lines, said delivery lines being coupled to said headbox at a plurality of locations spaced across said headbox in a crossmachine direction;
selectively introducing a property altering agent in at least two of said delivery lines to selectively alter the properties of the slurry passing through said at least two delivery lines; and
depositing said slurry received by said headbox on a papermaking wire to form paper.

25. The method of claim 24 wherein said property altering agent is a security additive.

26. The method of claim 24 wherein said property altering agent is a coloring agent.

27. A method for manufacturing striped paper comprising the steps of:
feeding a slurry to a distributor;
delivering said slurry from said distributor to a headbox through a plurality of

5 delivery lines, said delivery lines being coupled to said headbox at a plurality of locations spaced across said headbox in a crossmachine direction;

selectively introducing a first coloring agent in a first of said delivery lines to selectively color the slurry passing through said first delivery line;

selectively introducing a second coloring agent in a second of said delivery lines to selectively color the slurry passing through said second delivery line; and

10 depositing said slurry received by said headbox on a papermaking wire to form striped paper.

28. The method of claim 27 wherein the portion of said slurry deposited on said wire by said first delivery line is spaced from the portion of said slurry deposited on said wire by said second delivery line in a crossmachine direction.

29. A method for manufacturing paper having colored stripes comprising the steps of:

feeding a slurry to a distributor;

5 delivering said slurry from said distributor to a headbox through a plurality of delivery lines, said delivery lines being coupled to said headbox at a plurality of locations spaced across said headbox in a crossmachine direction;

providing a plurality of dilution water lines, each dilution water line being in fluid communication with an associated delivery line;

10 selectively introducing a coloring agent at least one of said dilution water lines to color the slurry in at least two of said delivery lines; and

depositing said slurry received by said headbox on a papermaking wire to form striped paper.

30. The method of claim 29 wherein the water in each dilution water line is

15 dedicated to an associated delivery line.

31. The method of claim 30 wherein each dilution water line supplies dilution water to each associated delivery line.

32. A security paper having colored stripes formed by the steps of:
feeding a slurry to a distributor;
delivering said slurry from said distributor to a headbox through a plurality of
delivery lines, said delivery lines being coupled to said headbox at a plurality of locations spaced
5 across said headbox in a crossmachine direction;

selectively introducing a coloring agent in at least two of said delivery lines to
selectively color the slurry passing through said at least two delivery lines; and
depositing said slurry received by said headbox on a papermaking wire to form
striped paper.

33. A cellulose based security paper having colored stripes that are colored through
the thickness of the paper, wherein each stripe has a color discreet from the areas
immediately adjacent to said stripe.

34. The security paper of claim 33 wherein said paper includes at least two discreet
stripes.

35. The security paper of claim 33 wherein said paper includes a coloring agent
distributed throughout the thickness of said paper in each stripe.